

# Level 1 Validation Certificate



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

*This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.*

Call Date: 12/1/2020

## Water Supplier

Supplier Name:	City of San Clemente
Supplier Participants:	Niki Beach, David Rebensdorf, Lawrence Brotman, Kevin Lassier

## Key Audit Metrics

Data Validity Score:	74
ILI:	0.22
Real Loss:	4.16 gal / conn / day
Apparent Loss:	3.13 gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	1.0%

## Validator

Validator:	Kevin Burgers, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

## Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

## Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

*This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.*

Water Supplier Name:

City of San Clemente

Water Supplier Public Water System ID:

CA3010036

Water Audit Period:

Fiscal Year 19-20

### Water Audit & Water Loss Improvement Steps

*Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.*

(1) Continued quarterly leak detection program to proactively reduce real losses. (2) Tested an additional 100 randomly selected customer meters to increase statistical significance of the sample size when determining average customer meter accuracy. (3) Continued to refine work order reporting on water losses due to hydrant and water line maintenance work to increase accuracy of unbilled authorized consumption data.

### Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print):

Lawrence M. Brotman

Executive Position:

Utilities Manager

Signature:



Date

12/17/20